

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	US-6325409-\$.DID. OR US-6296274-\$.DID. OR US-6199898-\$.DID. OR US-6164688-\$.DID. OR US-5788270-\$.DID.	USPAT; JPO	OR	OFF	2004/06/23 12:37
L2	7	"6217060"	USPAT; JPO	OR	OFF	2004/06/23 12:37
L3	42	("3066014" "3515518" "3692495" "3723205" "3733180" "3737287" "3773351" "3785674" "3871684" "3880447" "3950263").PN. OR ("4066415"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/06/23 12:40
L6	512	b60r021/26.ipc. and (coat or coating or coated or coats or layer)	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/23 13:10
L7	232	b60r021/26.ipc. and (coat or coating or coated or coats)	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/23 13:10
S1	1	("6533316").PN.	USPAT; USOCR	OR	OFF	2003/12/17 08:47
S2	1	("6179326").PN.	USPAT; USOCR	OR	OFF	2003/12/17 08:51
S3	1	("5809437").PN.	USPAT; USOCR	OR	OFF	2003/12/17 08:52
S4	877	(280/741).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/12/17 13:57
S5	17	"3606377".URPN.	USPAT	OR	OFF	2003/12/17 08:59
S6	24	"5058921".URPN.	USPAT	OR	OFF	2003/12/17 10:28
S7	9	("3815359" "4084512" "4561675" "4858951" "4944528" "4950458" "5100174" "5104466" "5186491").PN.	USPAT	OR	OFF	2003/12/17 10:41
S8	10	"5299828".URPN.	USPAT	OR	OFF	2003/12/17 10:42
S9	13	("3680884" "3744817" "3822894" "4101146" "4275901" "4796912" "5066038" "5094475" "5131680" "5190313" "5242194" "5290059" "5342089").PN.	USPAT	OR	OFF	2003/12/17 10:51

S10	561	280/736.ccls. not 280/741.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2003/12/17 13:58
S11	229	102/531.ccls. not ((280/736.ccls. not 280/741.ccls.) or 280/741. ccls.)	USPAT	OR	OFF	2003/12/18 19:19
S12	1	("5772238").PN.	USPAT; USOCR	OR	OFF	2003/12/18 19:26
S13	35	("2052869" "3158314" "3204862" "3370784" "3414292" "3632133" "3791669" "3801127" "3909037" "3910595" "3938826" "3947056" "4043572" "4130298" "4833996" "4877264" "4909549" "4928991" "5004586" "5060973" "5085465" "5100172" "5129674" "5193847" "5207450" "5286054" "5332259" "5406889" "5423571" "5435594" "5437473" "5458367" "5489117" "5509686" "5599042").PN.	USPAT	OR	OFF	2003/12/18 19:19
S14	24	((3672699) or ("3694003") or ("3738681") or ("3741583") or ("3753475") or ("3861712") or ("3874695") or ("3884499") or ("4234248") or ("4360223") or ("4696705") or ("4698107") or ("4963412") or ("4974873") or ("5246083") or ("5286054") or ("5323872") or ("5330226") or ("5366241") or ("5446442") or ("5709403") or ("5722686") or ("5725242") or ("5788270")).PN.	USPAT; USOCR	OR	OFF	2003/12/18 19:30
S15	1	("6179326").PN.	USPAT; USOCR	OR	OFF	2003/12/18 19:31
S16	18	((5825098) or ("5835873") or ("5899949") or ("5964815") or ("5964816") or ("6062143") or ("6084314") or ("6104308") or ("6212457") or ("4887843") or ("5011181") or ("5046149") or ("5178409") or ("5257816") or ("5357141") or ("5577768") or ("5984350") or ("6166451")).PN.	USPAT; USOCR	OR	OFF	2003/12/18 19:33

S17	48	(US-5704640-\$ or US-5564741-\$ or US-5556131-\$ or US-5571271-\$ or US-5529335-\$ or US-5482315-\$ or US-5482312-\$ or US-5468016-\$ or US-5483896-\$ or US-5439250-\$ or US-5382415-\$ or US-5299828-\$ or US-5286054-\$ or US-5219178-\$ or US-5058921-\$ or US-4950458-\$ or US-4998751-\$ or US-5005486-\$ or US-4878690-\$ or US-4907819-\$ or US-4858951-\$ or US-4358998-\$ or US-4200615-\$ or US-4298214-\$ or US-4005876-\$ or US-4066415-\$).did. or (US-3984126-\$ or US-4007685-\$ or US-4013010-\$ or US-3895821-\$ or US-3880595-\$ or US-3880447-\$ or US-3647393-\$ or US-3917023-\$ or US-5366241-\$ or US-5310214-\$ or US-3731843-\$ or US-5562303-\$ or US-5397544-\$ or US-3715131-\$).did. or (US-3606377-\$ or US-3532358-\$ or US-3532359-\$ or US-3721456-\$).did. or (EP-359407-\$ or DE-3939021-\$ or DE-4019677-\$).did. or (JP-05185899-\$).did.	USPAT; USOCR; EPO; JPO	OR	OFF	2004/06/23 10:34
S18	14	S17 and (coating or coated or coats or coat)	USPAT; USOCR; EPO; JPO	OR	OFF	2004/06/23 12:45
S19	0	(" <u>520040113400</u> ").PN.	US-PGPUB	OR	OFF	2004/06/23 10:38
S20	1	(" <u>20040113400</u> ").PN.	US-PGPUB	OR	OFF	2004/06/23 10:46
S21	0	<u>mitsuyoshi-o\$</u> .in. and <u>h60r021/26</u> .ipc.	USPAT; JPO	OR	OFF	2004/06/23 10:47
S22	0	<u>mitsuyoshi-u\$</u> .in. and <u>b60r021/26</u> .ipc.	USPAT; JPO	OR	OFF	2004/06/23 10:47
S23	5	<u>mitsuyoshi.in</u> . and <u>b60r021/26.ipc</u> .	USPAT; JPO	OR	OFF	2004/06/23 10:51
S24	1	" <u>2000-127885</u> "	USPAT; JPO	OR	OFF	2004/06/23 10:49
S25	2	" <u>2000-127885</u> "	USPAT; USOCR; JPO; DERWENT	OR	OFF	2004/06/23 10:49
S26	17	<u>mitsuyoshi.in</u> . and <u>b60r021/16.ipc</u> .	USPAT; JPO	OR	OFF	2004/06/23 12:35

DERWENT-ACC-NO: 1991-118203

DERWENT-WEEK: 199117

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TITLE: Gas generator - with fast burning coating on
surface of slowly deflagrating propellant solid

INVENTOR: SCHAFER, R

PATENT-ASSIGNEE: DORNIER GMBH [DOSY]

PRIORITY-DATA: 1989DE-3932576 (September 29, 1989) , 1989DE-3932574
(September 29, 1989) , 1990EP-0119388 (October 10, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
DE 3932576 A	April 18, 1991	N/A
000 N/A		
DE 3932576 C	March 5, 1992	N/A
000 N/A		
EP 480085 A	April 15, 1992	G
005 N/A		

DESIGNATED-STATES: DE FR GB

CITED-DOCUMENTS: FR 1118847; FR 2316101 ; FR 2623796 ; GB 807499 ;
US 4200615

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE 3932576A	N/A	1989DE-3932574
September 29, 1989		
EP 480085A	N/A	1990EP-0119388
October 10, 1990		

INT-CL (IPC): B60R021/26, C06D005/00 , F42B003/04

ABSTRACTED-PUB-NO: DE 3932576A

BASIC-ABSTRACT:

A gas generator for ejecting projectiles or for filling air bags uses a slowly deflagrating solid propellant (1) in the form of a hose or a strand. One or more explosive coatings (2) burn off at high speed and cover one longitudinal surface of the solid propellant (1). One or more gas channels (2) extend all along the charge.

ADVANTAGE - The generator requires much smaller active charges of up to 50 mg/m. Mixts. of perchlorate with metal powder, nitrate or a binder are pref'd..

ABSTRACTED-PUB-NO: DE 3932576C

EQUIVALENT-ABSTRACTS:

The gas generator for filling air bags includes a solid propellant which is coated with a quickly burning explosive and one or more gas channels. The solid propellant is in the form of a tube or extrusion, and its length is the same as the length of the channel.

The explosive coating extends over the whole length of the channel so that a shock wave is generated on detonation, which has a high speed.

ADVANTAGE - Gas generator is efficient and reliable and can release large amts. of gas in short time.

CHOSEN-DRAWING: Dwg.1/2

TITLE-TERMS: GAS GENERATOR FAST BURN COATING SURFACE SLOW DEFLAGRATE PROPELLANT

SOLID

DERWENT-CLASS: K04 Q17 Q79

CPI-CODES: K04-C;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-050921

Non-CPI Secondary Accession Numbers: N1991-090998